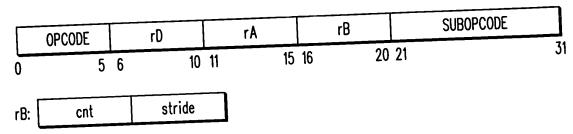
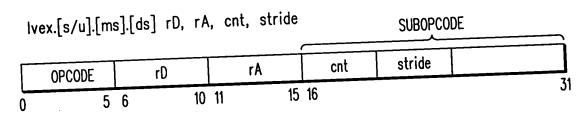


lvex.[s/u].[ms].[ds] rD, rA, rB

Γ



### FIG. 2



### FIG. 3

Imvex.[s/u].[ms].[ds] rD, rA, rB

OPCODE	rD	rA	rB	SUBOPCODE

rB:	cnt	stride	skip	skip_cnt

### FIG. 4

Imvex.[s/u].[ms].[ds] rD, rA, cnt, stride, skip, skip\_cnt

OPCODE rD rA cnt stride skip skip\_cnt

lmvex2.[s/u].[ms].[ds] rD, rA, rB

Γ

OPCODE	rD	rA	rB	SUBOPCODE

rB: cnt rcnt stride skip

### FIG. 6

lstrmvex.[s/u].[ms].[ds] rD, rA, rB

OPCODE	rD	rA	rB	SUBOPCODE
01 0052				

			Т		okin ont
-D.	ont	rcnt	stride	skip	skip_cnt
LD:	cnt	10			

### FIG. 7

 $stvex.[s/u].[ms].[ss].[h/l] \ rS, \ rA, \ rB$ 

OPCODE	rS	rA	rB	SUBOPCODE
OI OODL				

rB: cnt stride

 $stmvex.[s/u].[ms].[ss].[h/l] \ rS, \ rA, \ rB$ 

Γ

OPCODE	rS	rA	rB	SUBOPCODE
0, 0022				

rB: cnt stride skip skip\_cnt

## FIG. 9

 $stmvex2.[s/u].[ms].[ss].[h/I] \ rS, \ rA, \ rB$ 

OPCODE	rS	rA	rB	SUBOPCODE

-D.	cnt	rcnt	stride	skip
rB:	One			

# FIG. 10

 $ststrmvex.[s/u].[ms].[ss].[h/l] \ rS, \ rA, \ rB$ 

			, D	SUBOPCODE
OPCODE	rS	rA	10	
 · · ·				

rB: cnt rcnt stride skip skip\_cnt

 $\Gamma$ 

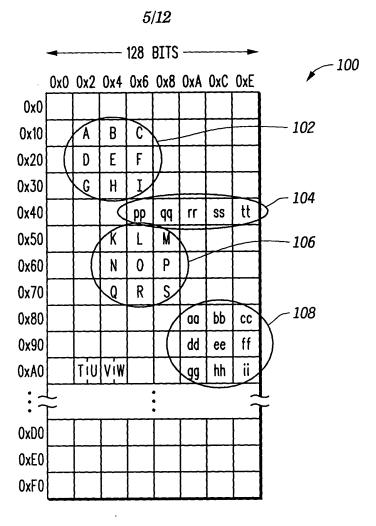


FIG. 12

	← 64 BITS →							
	Α	В	С	0	R0			
	K	L	М	0	R1			
	A+K	B+L	C+M	0	R2			
					R3			
					R4			
					R5			
<u></u>		,	•		<u>_</u> :			
		г— <sup>-</sup>			R31			
	<u> </u>	<u> </u>	L		1.01			

FIG. 13

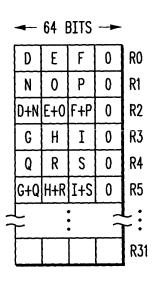


FIG. 14

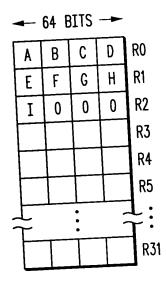


FIG. 15

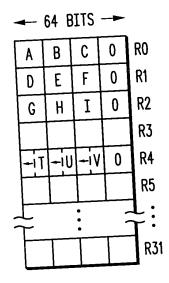


FIG. 16

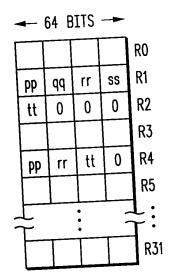
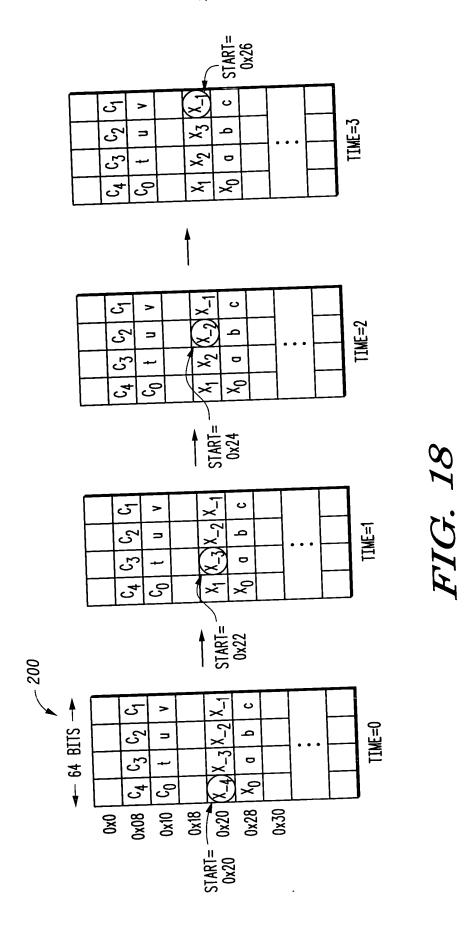


FIG. 17



•	← 64 BITS — ►						
		0x0	)8		R1		
		0x2	20		R2		
1	4	C <sub>3</sub>	$c_2$	C <sub>1</sub>	R6		
	4	0	0	c <sub>0</sub>	R7		
	 -4	X <sub>-3</sub>	X <sub>-2</sub>	X <sub>-1</sub>	R8		
	X <sub>0</sub> 0 0 0						
CA	$C_4 \cdot X_{-4} + C_3 \cdot X_{-3} + C_2 \cdot X_{-2} + C_1 \cdot X_{-1}$						
	CO	• x <sup>0</sup> +0 •	0+0•0+	0.0	R11		

FI	G.	19
<i></i>	<b>—</b>	_

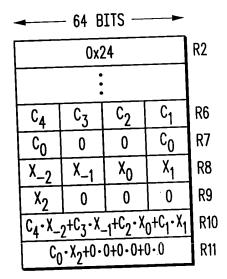


FIG. 21

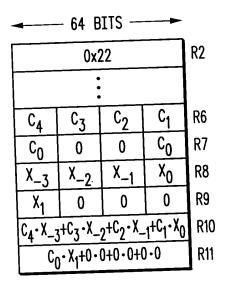


FIG. 20

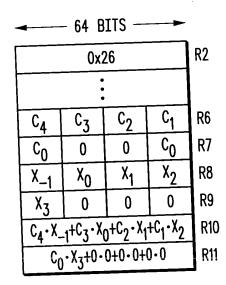


FIG. 22

-	← 64 BITS →									
	A B C 0									
	K	N	Q	0	R2					
	0x12									
	0x54									

Г

-	<b>←</b>	64 E	BITS	-	
	D	E	F	0	R1
١	K	N	Q	0	R2
					R3
		0:	k12		R4
		R5			
			:		
	A	R10			
		R11			
					R12

FIG. 23

FIG. 24

-	<b>-</b>	64 E	SITS		
	G	R1			
	K	N	Q	0	R2
					R3
		0:	x12		R4
	厂	0:	κ <b>54</b>		R5
			:		
	A	R10			
	D	R11			
					R12
	_	_			

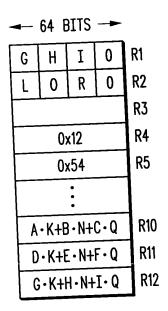


FIG. 25 FIG. 26

Imvex\_skip\_once.[s/u].[ms].[ds] rD, rA, rB

Γ

1			rA	rB	SUBOPCODE
	OPCODE	10	177		

rB: cnt stride skip skip\_cnt

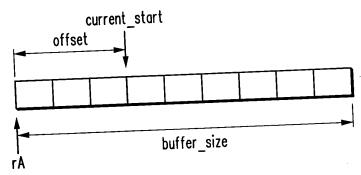
## FIG. 27

Imvex\_cb.[s/u].[ms].[ds] rD, rA, rB

	<b>, -</b>			
OPCODE	rD	rA	rB	SUBOPCODE

rB: buffer\_size offset

### FIG. 28



## FIG. 29

lstrmvex\_cb.[s/u].[ms].[ds] rD, rA, rB

OPCODE	rD	rA	rB	SUBOPCODE
OFCODE	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			

rB: buffer\_size offset

Imvex\_fft.[s/u].[ms].[ds] rD, rA, rB

IIIIACY TILES	-1.6. 1.5.			
OPCODE	rD	rA	rB	SUBOPCODE

rB: radix

Γ

# FIG. 31

stmvex\_fft.[s/u].[ms].[ss] rS, rA, rB

2011ACY TITLE	o/ -].[ ] [ 3			
OPCODE	rD	rA	rB	SUBOPCODE

rB: radix

# FIG. 32

Imstrmvex\_fft.[s/u].[ms].[ds] rD, rA, rB

IIII3ti IIIVON		_		
ODCODE	rN	rA	rB	SUBOPCODE
OPCODE	10			

rB: radix

12/12

	0x0							0xE	300
0x0									ŕ
0x10				х <sub>0</sub>	X <sub>1</sub>	X <sub>2</sub>	X <sub>3</sub>	X <sub>4</sub>	
0x20	X <sub>5</sub>	Х <sub>6</sub>	X <sub>7</sub> _						
0x30							<u> </u>		
0x40			Yo	Y <sub>4</sub>	Y <sub>6</sub>	Y <sub>2</sub>	Y <sub>1</sub>	Y <sub>5</sub>	
0x50	Y3	Y <sub>7</sub>			 				
0x60									

FIG. 34

	$\chi_0$	X <sub>4</sub>	Х <sub>6</sub>	Х2	R1
İ	Χ <sub>1</sub>	Х <sub>5</sub>	Х3	X <sub>7</sub>	R2
ŀ					R3
İ	Y <sub>0</sub>	Y <sub>1</sub>	Y <sub>2</sub>	Y3	R4
	Y <sub>4</sub>	Y <sub>5</sub>	Y <sub>6</sub>	Y <sub>7</sub>	R5

FIG. 35